

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Old American Zinc - Removal Polrep
Final Removal Polrep

977953



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #6
Final
Old American Zinc
B5A1
Fairmont City, IL
Latitude: 38.6489584 Longitude: -90.0932582

To: Doug Ballotti, USEPA
Sam Borries, U.S. EPA
Jason El-Zein, U.S. EPA
Mike Ribordy, U.S. EPA
Steve Ridenour, U.S. EPA
Jerry Willman, Illinois EPA

From: Kevin Turner, OSC

Date: 6/21/2019

Reporting Period: 6/6/2018 – 6/20/2019

1. Introduction

1.1 Background

Site Number:	B5A1	Contract Number:	
D.O. Number:		Action Memo Date:	5/10/2018
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	NPL	Operable Unit:	
Mobilization Date:	6/6/2018	Start Date:	6/11/2018
Demob Date:	6/13/2019	Completion Date:	6/13/2019
CERCLIS ID:	IL0000034355	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Time critical removal action of heavy metals from historic zinc smelting operations by Old American Zinc. Based on subsequent soil data collected in July and August 2017 in support of the Remedial Design, it has been determined that continued removal actions were necessary at the Site to mitigate threats to public health, welfare, and the environment posed by the release and/or threatened release of hazardous substances from the Site.

1.1.2 Site Description

The Old American Zinc (OAZ) site consisted of two parts: a 132-acre industrial property and an unknown number of residential and commercial/industrial properties surrounding the industrial property.

There are residential areas approximately one city block north and west of the property, and industrial sites to the south and east. The property is bordered by Maryland Ave on the north, Kingshighway on the east, 45th Street on the west, and Rose Creek and the railroad tracks of the Penn Central and Baltimore & Ohio lines on the south. Rail car loading and unloading facilities border the property on the south. After flowing south between the eastern edge of the industrial property and Kingshighway, Rose Creek cuts southwest across the property to the southern edge, then westward off site, and eventually into a wetland north of Collinsville Road.

The zinc furnace operations ceased in 1953, with subsequent operations limited to roasting ores for other smelter facilities and the production of sulfuric acid. These roasting operations continued until 1967 when American Zinc discontinued all operations. Based on aerial photographs, all buildings and other facilities associated with former smelting operations were razed between 1967 and 1978.

Except for three large slag piles and ditch-like Rose Creek, most of the industrial property is flat. All of the Old American Zinc buildings have been demolished and only their foundations can now be seen in many locations around the property. The property is almost entirely covered with a layer of dark brown to black slag, a waste product of the smelting furnaces. Crushed limestone was placed over the slag in many locations to construct roadways and parking areas. Sparse vegetation over most of the property consisted mainly of moss patches, but wetland plants grow along the course of Rose Creek and in a poorly-drained low-lying area of approximately 3 to 4 acres located in the southeastern corner of the property.

The property is entirely fenced with access via the main gate on Kingshighway and another unpaved road at the southwest corner of the property. Relatively new buildings immediately inside the Kingshighway gate, housed the former offices of XTRA Intermodal, Inc. ('XTRA'), the current site owner.

The Facility Area was historically used as a primary zinc smelter between 1916 and 1953 and produced slab zinc, zinc carbonate, cadmium, lead, and sulfuric acid. The primary residue generated during the smelter's operation was slag which

was poured along the northern and western boundary of the Facility Area in a molten state and allowed to cool over time. According to historical aerial photographs, the slag piles were located along the western and northern boundaries of the Facility Area and originally encompassed more than 15 acres. The vitrified slag was allegedly transported to areas outside the Facility Area by employees from the village, local business personnel, and area residents, for use as fill and surfacing material.

XTRA leased the Facility Area property from American Zinc (now Blue Tee Corporation or 'Blue Tee') between 1976 and 1979 and purchased the property in 1979, including the clinker and other smelter residues, minerals or metals located on the property. From 1976 to sometime after 2003, XTRA operated a transport trucking terminal on the Facility Area which included the lease, storage, and maintenance of a diverse fleet of over-the-road trailers, intermodal ("piggy-back") trailers, and intermodal equipment. Beginning in 1976, XTRA ground-up and redistributed the stockpiled slag across the Facility Area to build up and level the Facility Area for its trucking operations.

1.1.2.1 Location

The Old American Zinc (OAZ) site consisted of two parts: a 132-acre industrial property located at 2575 Kingshighway in Fairmont City, St. Clair County, Illinois 62201; and an unknown number of residential and commercial/industrial properties surrounding the industrial property. Coordinates for the industrial property, as represented by the front gate on Kingshighway, are latitude 38° 39'06.9 north by longitude 90° 05'35.8" west. The elevated levels of metals are located in a mixture of residential and commercial properties located in Fairmont City. As additional remedial sampling occurs, properties in neighboring municipalities may be impacted.

1.1.2.2 Description of Threat

The threat was presented by the presence of lead, arsenic, cadmium, and zinc contaminated soil in residential yards, a park, and alleyways. EPA documented a release of hazardous substances, pollutants, or contaminants in the soil. Exposure may occur from direct ingestion of soil in yards, soil tracked indoors, or house dust; inhalation of fugitive dust; and ingestion of vegetables grown in contaminated soil. Potential human receptors include residents, including children under seven years of age and pregnant or nursing women; and construction and utility workers.

EPA documented the presence of lead and/or arsenic in soil at concentrations above the Removal Management Level (RML) for residential soil of 400 mg/kg for lead and 68 mg/kg for arsenic. Lead was detected at a maximum concentration of 32,500 mg/kg at a residential property and arsenic at 171 mg/kg at another. The Village of Fairmont City is next to the former Old American Zinc Plant facility. Both the IEP A and EPA have documented the presence of lead and/or arsenic in residential yards above health standards. The health concerns at this Site are related to the fact that residents live in and amongst the lead slag that was brought in as fill material on residential properties, thereby potentially exposing young children, pregnant women and elderly individuals to contamination. Exposure may occur from direct ingestion of soil in yards, soil tracked indoors, or house dust; inhalation of fugitive dust; and ingestion of vegetables grown in contaminated soil.

Lead is a hazardous substance, as defined by Section 101(14) of CERCLA. The effects of lead are the same whether it enters the body through breathing or swallowing. Lead can affect almost every organ and system in the body. The main target for lead toxicity is the nervous system, both in adults and children. Long-term exposure of adults can result in decreased performance in some tests that measure functions of the nervous system. It may also cause weakness in fingers, wrists, or ankles. Lead exposure also causes small increases in blood pressure, particularly in middle-aged and older people and can cause anemia. Exposure to high lead levels can severely damage the brain and kidneys in adults or children and ultimately cause death. In pregnant women, high levels of exposure to lead may cause miscarriage. High-level exposure in men can damage the organs responsible for sperm production.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Initial investigations of the Site were conducted by Illinois Environmental Protection Agency (IEPA) in 1994 in response to citizen complaints of blowing dust from the Facility Area resulting from grinding of vitrified slag by XTRA for use as structural fill for its operations. An additional investigation was conducted by Ecology & Environment for EPA in 1999 that included the collection of soil and sediment samples from the Facility Area and adjacent residential properties. The sampling conducted by EPA and IEPA found heavy metals in Facility Area slag, soils, stream sediments, and adjacent residential properties at levels greater than background or risk-based screening levels.

On November 2 and 3, 1999, EPA also mobilized its Superfund Technical Assessment and Response Team (START) contractor to the Site. EPA tasked START to perform a site reconnaissance and sampling. Activities performed included:

- Collecting soil samples from the industrial property;
- Collecting sediment samples in Rose Creek; and
- Collecting soil samples from the residential properties where IEP A indicated elevated levels of heavy metals.

A summary review of the soil and sediment analytical data indicated elevated levels of contaminants. Soil samples collected at various locations on flat ground on the industrial property had concentrations of total lead ranging from 4,646 milligrams per kilogram (mg/kg) to 23,110 mg/kg, and cadmium concentrations up to 745 mg/kg. Sediments had elevated total lead and cadmium at concentrations of 1,620 mg/kg and 3,440 mg/kg, respectively. The residential soil sample had a concentration of 815 mg/kg for lead. Based on these sampling events, EPA requested that PRP Blue Tee perform a time-critical removal action (TCRA) at the Site.

On July 21, 2000, EPA signed the initial Action Memorandum to conduct a time-critical removal action. An Administrative Settlement Agreement and Order on Consent (AOC) was entered into between PRP Blue Tee and EPA on March 22, 2002, to conduct a TCRA to address soils containing lead concentrations above the action level of 400 mg/kg for residential properties and 1,000 mg/kg for commercial/ industrial properties. The residential soil lead criterion (400 mg/kg) was derived using the Integrated Exposure Uptake BioKinetic (IEUBK) Model for Lead in Children and potential exposures to a resident child age 0 to 84 months over 365 days per year. Vacant lots were also sampled as part of the TCRA and a removal action was taken at vacant lots located adjacent to residential areas if the vacant lots had soil lead concentrations greater than 1,200 mg/kg. The 2002-2003 TCRA included the sampling of 462 residential, commercial/industrial and vacant properties for lead, arsenic, cadmium and zinc.

Of the 462 properties sampled during the TCRA, 209 properties were found to have soil lead concentrations in excess of the EPA approved action levels. Of these, soil removal actions were performed on 152 properties. The remaining 57 properties are composed of 49 vacant lots with soil lead concentrations less than 1,200 mg/kg, and eight residential properties where permission to conduct the removal action was not granted by the property owner. The excavated soils from the TCRA were placed in a temporary stockpile located on the north side of the Facility Area immediately south of the existing slag piles. The base of the 2-acre stockpile area was prepared by grading the footprint with a bulldozer and compacting it with a vibratory compactor. A 3-foot soil berm was installed around the perimeter of the stockpile area. Temporary silt fencing was placed on

the outside of the berm to prevent soil and storm water migration from the stockpile during soil placement. The berm and silt fence were periodically inspected to ensure the integrity and effectiveness of the erosion and storm water controls. At the completion of the excavation activities, the stockpile was graded and seeded with a 2002 Class II Roadside grass mixture consisting of fescue and perennial rye grasses to prevent future erosion.

On June 6, 2005, PRPs Blue Tee and U.S. General Services Administration (GSA) entered into an AOC to conduct a Remedial Investigation and Feasibility Study (RI/FS) for the Site. EPA issued a Unilateral Administrative Order to PRP XTRA on June 6, 2005, directing XTRA to participate and cooperate with the PRPs performing the RI/FS under the AOC. An RI was conducted at the Site from May 2006 to January 2008. Additional off-site residential properties were sampled to conduct a Human Health Risk Assessment. A portion of the village alleyways were also sampled. Elevated concentrations of metals were found in the alleyways and residential properties. Based on the findings of the investigations, EPA issued a Record of Decision (ROD) on September 11, 2012. The major components of the selected remedy in the ROD include: excavation of contaminated soil on the Facility Area and at off-site properties, consolidation of excavated soil into an area on the facility property, capping the consolidated contaminated soil with a 24-inch low permeability, compacted soil barrier layer and a 12-inch vegetation cover system, institutional controls, and groundwater monitoring.

In 2014, EPA entered into an AOC with PRPs Blue Tee and GSA to do the remedial design (RD) of the remedy. In the 2015 pre-design investigation, additional data was collected on-site and at 14 adjacent residential, commercial, and vacant properties in order to complete the ROD.

However, in March 2016, the company responsible for Blue Tee's work at the site filed for bankruptcy and stopped doing the work. On December 6, 2016, the EPA issued a notice to the responsible parties for EPA to take over the work in order to complete the RD at the Site. After EPA took over work in the RD, EPA found some data gaps, expanded the scope of the offsite residential sampling, and conducted additional sampling of residential properties and alleyways in July and August 2017. Several additional residential properties and alleyways were identified where the soil contained elevated levels of lead (defined greater than 1,200 mg/kg). Additional residential sampling was conducted starting March 2018 and will continue through June 2018. Maximum lead and arsenic concentrations found on some of these properties and alleyways in the top 2 feet.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

The high concentrations of lead and/or arsenic in soil constituted an imminent threat to human health as documented above. Continued response actions were immediately required to mitigate exposure to nearby residents to hazardous substances through the soil pathway. The residential yards had high accessibility to sensitive populations, including young children under the age of 7 years and pregnant women. In fact, these sensitive populations and young children have been observed playing in the play fields and contaminated yards. Adults and children may be exposed to elevated levels of lead from normal foot traffic, yard work, and play. The response actions will prevent, limit, and mitigate threats to human health including sensitive populations.

Impacted soils were removed and consolidated into an on-site soil repository at the former Old American Zinc facility.

2.1.2 Response Actions to Date

The OSC tasked the ERRS (ER, LLC) and START (Tetra Tech) contractors to perform the following actions with important project benchmarks of:

- Develop and implement a Removal Action Work Plan (RAWP);
- Develop and implement an Emergency Contingency Plan (ECP);
- Develop and implement a Site Health & Safety Plan (HASP) consistent with the work to be performed;
- Develop and implemented an Air Monitoring Plan (AMP);
- As related to the AMP, START has developed and implemented a particulate air monitoring system with real-time dust particulate monitoring (DustTrak) using the Emergency Response Team VIPER System;
- On June 04, OSC Turner notified the Illinois State Archeological Survey (ISAS) that removal of heavy metals contaminated soil near the Cahokia Mounds State Historic Site;
- As a result, to above bullet point and in consideration to the ISAS notification, the OSC has instructed ERRS and START as to shut-down procedures related to discovery of pottery pieces, arrowheads, bones, etc.;
- On June 11, 2018, removal work at the first residential property began. The OSC will utilize an interpreter for Spanish only speaking homeowners;
- On June 12, 2018, the ERRS contractor arranged for diesel powered electrical service be provided to support project needs inside the temporary field office.
- On June 13, 2018, arrangements were made to deliver limestone rock, sand and clean fill dirt materials to be used for backfilling restoration purposes;
- On June 18, 2018, a second ERRS excavation crew was added to daily operations;
- On June 21, 2018, OSC Turner secured alley access approval from Fairmont City officials related to removal of impacted soils
- On July 16, 2018, a second restoration crew was added to restore residential properties in a manner that subjects the homeowners to the least amount of inconvenience.
- On July 23, 2018, a 3rd excavation crew was added to address removal work related to impacted alleyways.
- On July 25, 2018, the first alleyway (AT23) was restored and returned to service for Fairmont City refuse collection and residential access.
- On August 2, 2018, ERRS initiated the removal of lead impacted soils placed over a 24-inch high-pressure natural gas main operated by CenterPoint Energy. ERRS coordinated site work with the CenterPoint on-site representative until the restoration completion on 8/21/2018.

- On August 6, 2018, a 4th excavation crew was added in preparation to removal work at a large mobile home park.
- On August 13, 2018, the RPM, Sheila Desai, submitted a list of 8 additional properties for time-critical removal action conducted by Removals Branch.
- On August 16, 2018, the second alleyway (AT8), was restored and returned to service for Fairmont City refuse collection and residential access.
- On August 28, 2018, the third of five alleyways (AT2-S), was restored and returned to service for Fairmont City refuse collection and residential access.
- On September 4, 2018, ERRS initiated removal and restoration work at the HavaHome Mobile Home Park. This work is expected to take up to 7 weeks, weather pending.
- As of October 1, 2018, an archeologist will observe the residential removal work conducted by EPA. The archeologists will likely remain engaged for the duration of the removal action.
- On October 9, 2018, a larger tracked excavator was delivered to the site for removal work related to parcels greater than 1-acre.
- On October 12, 2018, the fourth of five alleyways (AT7) was restored and returned to service for Fairmont City refuse collection and residential access.
- On October 15, 2018, a large tracked excavator was delivered to the site for removal work at the many large undeveloped lots.
- On October 18, 2018, ERRS excavation crews discovered bones wrapped in fabric suspected to be human remains. The crew was instructed to continue excavation elsewhere during such time for local law enforcement along with the Madison County, Illinois Coroner's office and determined the remains were of a large canine animal.
- Heavy rains on October 31 and November 1, 5 and 9, 2018, required the suspension of all site activities.
- On November 14, 2018, START initiated the process to secure "Property Completions Agreements" with the affected property owners.
- On December 4, 2018, OSC Turner elected to cease all impacted soil removal work due to warm and wet weather site conditions. Unfortunately, there is a significant amount of restorative work yet to be completed. Furthermore, the weather conditions will require all project staff to shut-down field work until such time that cold weather will allow frozen soil conditions so that trucks used for soil backfill/restoration can drive upon frozen/solid soil.
- On December 12 - 14, 2018, all heavy equipment was decontaminated and demobilized from the site for a holiday shut-down and the government budget shutdown.
- To complete the required last amount of restorative work, OSC Turner planned to mobilize a small workforce in January or February of 2019. Wet weather conditions prevented final soil backfill and hydro-seed restoration well into the Spring of 2019.
- On June 13, 2019, the last property requiring hydroseeding was completed. All tee-post and construction fencing was removed that same day.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

Enforcement actions are pending at this time.

2.1.4 Progress Metrics

The following summary indicates on-site repository disposal summary and the number of homes and alleyways that have been remediated in 2018:

NO	Prop. ID No.	Excavation Started	Excavation Complete	Backfill Start	Backfill Complete	Excavate Cubic Yards	Backfill Cubic Yards	Hydro Seed Complete
1	392	6/11/2018	6/13/2018	6/13/2018	6/18/2018	282	336	7/20/2018
2	135	6/14/2018	6/18/2018	6/18/2018	6/19/2018	150	78	7/23/2018
3	814	6/18/2018	6/19/2018	6/20/2018	6/21/2018	96	90	7/23/2018
4	329	6/18/2018	6/20/2018	6/20/2018	7/2/2018	192	258	7/23/2018
5	74	6/19/2018	6/20/2018	6/20/2018	6/21/2018	48	36	7/20/2018
6	120	6/22/2018	6/28/2018	6/29/2018	7/9/2018	126	72	7/23/2018
7	101	6/22/2018	6/27/2018	6/28/2018	7/3/2018	120	114	7/20/2018
8	81	6/27/2018	6/29/2018	7/2/2018	7/10/2018	150	156	7/23/2018
9	112	6/28/2018	7/9/2018	7/3/2018	7/12/2018	174	168	7/23/2018
10	141	7/9/2018	7/10/2018	7/12/2018	7/13/2018	96	78	7/23/2018
11	575	7/10/2018	7/13/2018	7/17/2018	7/19/2018	216	222	7/23/2018
12	859	7/10/2018	7/11/2018	7/16/2018	7/16/18	48	48	7/20/2018
13	113	7/16/2018	7/23/2018	7/19/2018	8/2/2018	300	222	8/13/2018
14	326	7/13/2018	7/23/2018	7/18/2018	7/26/1816	408	444	8/13/2018

NON-RESPONSIVE

327	7/11/2018	7/12/2018	7/17/2018	7/18/2018	156	174	7/23/2018
309	7/24/2018	7/26/2018	7/30/2018	8/2/2018	90	70	8/13/2018
618	7/24/2018	7/26/2018	7/30/2018	8/2/2018	162	168	8/13/2018
87	7/23/2018	7/24/2018	7/26/2018	7/27/18	60	24	8/13/2018
819	7/24/2018	8/1/2018	7/30/2018	8/9/2018	558	444	8/13/2018
138	7/26/2018	8/1/2018	8/2/2018	8/8/2018	192	252	9/5/2018
328	8/1/2018	8/9/2018	8/9/2018	8/14/2018	306	282	9/5/2018
1026	8/2/2018	8/13/2018	8/16/2018	8/21/2018	474	480	9/4/2018
908	8/9/2018	8/10/2018	8/16/2018	8/21/2018	156	174	9/4/2018
894	8/13/2018	8/14/2018	8/27/2018	8/28/2018	90	84	9/5/2018
563	8/13/2018	8/17/2018	8/28/2018	9/6/2018	294	276	9/14/2018
R003	8/14/2018	8/20/2018	8/21/2018	8/27/2018	252	264	9/5/2018
602R	8/20/2018	8/28/2018	8/30/2018	9/6/2018	414	396	9/14/2018
901	8/20/2018	8/21/2018	8/22/2018	8/23/2018	66	12	Only rock no hydro- seed
368R	8/21/2018	8/27/2018	8/28/2018	8/30/2018	102	96	9/5/2018
RI008A	8/27/2018	8/30/2018	8/30/2018	9/5/2018	174	180	9/14/2018
921	8/27/2018	9/5/2018	9/7/2018	9/17/18	318	372	9/28/2018
1042	8/28/2018	8/30/2018	8/30/2018	9/6/2018	96	84	9/14/2018
RI008B	8/28/2018	8/30/2018	8/30/2018	9/5/2018	84	78	9/14/2018
767	9/4/2018	9/11/2018	9/10/2018	9/13/2018	522	502	9/14/2018
0066/0544	9/4/2018	9/11/2018	9/4/2018	9/18/2018	318	346	9/28/2018
370	9/5/2018	9/17/2018	9/17/2018	9/18/2018	342	198	9/28/2018
807-49	9/4/2018	9/5/2018	9/5/2018	9/6/2018	156	90	9/14/2018
807-48	9/5/2018	9/6/2018	9/6/2018	9/6/2018	90	30	9/14/2018
807-47	9/7/2018	9/10/2018	9/10/2018	9/10/2018	54	N/A	Only rock
807-46	9/10/2018	9/11/2018	9/11/2018	9/11/2018	66	N/A	Only rock
568	9/11/2018	9/13/2018	9/28/2018	10/2/2018	168	156	10/12/2018
105	9/12/2018	9/18/2018	9/24/2018	9/27/2018	270	282	9/28/2018
807-45	9/11/2018	9/12/2018	9/12/2018	9/14/2018	138	48	9/14/2018
807-44	9/12/2018	9/13/2018	9/14/2018	9/14/2018	66	36	9/14/2018
807-43	9/13/2018	9/17/2018	9/17/2018	9/21/2018	96	36	9/28/2018
841	9/17/2018	10/10/2018	10/10/2018	10/11/2018	84	36	10/12/2018
1048	9/18/2018	9/24/2018	9/20/2018	10/3/2018	168	78	10/12/2018
761	9/18/2018	9/21/2018	9/24/2018	9/26/2018	480	492	9/28/2018
117	9/18/2018	9/19/2018	9/21/2018	9/24/2018	72	84	9/28/2018

NON-RESPONSIVE

807-42	9/18/2018	9/20/2018	9/21/2018	9/21/2018	204	24	9/28/2018
807-41	9/19/2018	9/21/2018	9/21/2018	9/24/2018	210	24	All rock
124	9/18/2018	9/24/2018	9/28/2018	10/3/2018	234	150	10/12/2018
123	9/24/2018	9/27/2018	10/3/2018	10/9/2018	174	114	10/12/2018
807-40	9/20/2018	9/21/2018	9/25/2018	10/3/2018	54	64	10/28/2018
807-39	9/24/2018	9/25/2018	9/25/2018	10/4/2018	120	30	10/28/2018
314	9/24/2018	10/5/2018	10/9/2018	10/22/2018	468	426	12/10/18
608	9/25/2018	9/26/2018	10/2/2018	10/3/2018	90	78	10/12/2018
/25/2018	9/25/2018	10/9/2018	10/12/2018	10/22/2018	438	522	12/10/18
807-38	9/25/2018	9/26/2018	10/3/2018	10/4/2018	108	84	10/12/2018
402R	9/26/2018	9/27/2018	9/28/2018	10/2/2018	192	84	10/12/2018
807-37	9/27/2018	9/27/2018	10/4/2018	10/5/2018	60	12	10/12/2018
807-36	9/27/2018	9/28/2018	10/9/2018	10/9/2018	18	12	10/12/2018
108R	9/28/2018	10/1/2018	10/18/2018	10/19/2018	66	6	Rock
807-35	9/28/2018	9/28/2018	10/9/2018	10/9/2018	60	N/A	12/11/2018
807-34	10/3/2018	10/10/2018	10/10/2018	10/31/2018	156	160	12/11/2018
807	10/1/2018	10/4/2018	10/10/2018	10/31/2018	306	312	12/11/2018
571	10/10/2018	10/15/2018	10/12/2018	10/17/2018	216	312	12/11/2018
46	10/10/2018	10/15/2018	10/23/2018	10/31/2018	204	342	12/11/2018
924C	10/10/2018	10/10/2018	10/29/2018	10/31/2018	30	30	12/11/2018
321R	10/11/2018	10/15/2018	10/19/2018	10/23/2018	228	162	12/11/2018
931-2	10/15/2018	10/22/2018	10/31/2018	3/7/19	1398	1274	3/8/19
817	10/15/2018	11/7/2018	10/26/2018	3/7/19	1284	1264	3/8/19
279R	10/16/2018	11/2/2018	11/7/2018	12/5/2018	1218	340	3/8/19
931-1	10/23/2018	11/6/2018	11/7/18	3/7/19	912	944	3/8/19
807-3	10/29/2018	11/7/2018	12/8/18	6/3/19	2088	2128	6/13/19
155R	11/5/2018	11/14/2018	11/20/2018	11/29/2018	786	774	3/8/19
1020	11/5/2018	11/7/2018	11/13/2018	11/14/2018	114	96	12/11/2018
831	11/6/2018	11/21/2018	11/7/2018	6/3/19	912	972	6/13/19
109	11/7/2018	11/14/2018	11/28/2018	12/13/2018	210	186	3/8/19
633	11/8/2018	11/14/2018	12/6/2018	12/7/2018	138	258	12/11/2018
92	11/14/2018	11/20/2018	12/12/2018	12/12/2018	186	150	3/8/19
585	11/14/2018	11/29/2018	11/28/2018	12/12/2018	876	888	3/8/19

846	11/21/2018	12/4/2018	12/5/2018	12/12/2018	1020	888	3/8/19
807-2	11/27/2018	11/29/2018	11/30/2018	3/22/19	630	592	6/13/19

Alleyway ID No.	Excavation Started	Excavation Completed	Restoration Completed	Excavate Cubic Yards	Restoration Cubic Yards	Rock Number of Loads
A23	7/23/2018	7/25/2018	7/25/2018	90	30	18
AT8	7/25/2018	8/10/2018	8/16/2018	429	290	60
AT2-S	8/13/2018	8/21/2018	8/28/2018	390	NA	90
AT7	10/1/2018	10/9/2018	10/9/2018	228	66	31
A11	Suspended until 2019 due to inclement weather					

Other Project Metrics

Name	Number of Truckloads	Amount
Impacted soil excavated and delivered to on-site repository	439	26,210 cubic yards
Clean soil backfill	1083	22,736 cubic yards
Gravel and rock	293	5542.10 tons

Regional Metrics

	Miles of river systems cleaned and/or restored	NA
This is an Integrated River Assessment. The numbers should overlap.	Cubic yards of contaminated sediments removed and/or capped	26,210 cubic yards
	Gallons of oil/water recovered	NA
	Acres of soil/sediment cleaned up in floodplains and riverbanks	NA
Stand Alone Assessment	Number of contaminated residential yards cleaned up	84 residents 4 residential alleyways
	Number of workers on site	0
Contaminant(s) of Concern	Low-Level Lead Impacted Soil	

Oil Response Tracking

Estimated volume	Initial amount released	
	Final amount collected	
CANAPS Info	FPN Ceiling Amount	
	FPN Number	
	Body of Water affected	

Administrative and Logistical Factors (Place X where applicable)

Precedent-Setting HQ Consultations (e.g., fracking, asbestos)	X	Community challenges or high involvement	Radiological
More than one PRP		Endangered Species Act / Essential Fish Habitat issues	Explosives
AOC		Historic preservation issues	X Residential impacts
UAO	X	NPL site	Relocation
DOJ involved		Remote location	Drinking water impacted
Criminal Charges Have Been Filed	X	Extreme weather or abnormal field season	Environmental justice
Tribal consultation or coordination or other issues		Congressional involvement	High media interest
X Statutory Exemption for \$2 Million	X	Statutory Exemption for 1 Year	Active fire present
Hazmat Entry Conducted – Level A, B or C		Incident or Unified Command established	Actual air release (not threatened)

Green Metrics

Metric	Amount	Units
Diesel Fuel Used	28,743	gallons
Unleaded Fuel Used	5784	gallons
Alternative/E-85 Fuel Used	0	gallons
Electricity from electric company	326.41	kWh
Electric Company Name and Account #	Ameren Illinois	

Electricity from sources other than the electric company	46.63 temporary generator	kWh
Solid waste reused	0	
Solid waste recycled	42	Plastic/Paper/Cardboard (cubic yards)
Water Used	59,700	gallons
*Removal program received this information from CID		
Version 160317		

2.2 Planning Section

2.2.1 Anticipated Activities

All soil and hydro-seed restoration is now complete. No other work is anticipated.

2.2.1.1 Planned Response Activities

No additional removal actions are planned. All field work is now completed.

2.2.1.2 Next Steps

None. All field work is completed.

2.2.2 Issues

None. All field work is completed.

2.3 Logistics Section

Not applicable (NA)

2.4 Finance Section

2.4.1 Narrative

A TDD for \$200,000 was issued to Tetra Tech Inc., on May 24, 2018.
 A TDD amendment for \$100,000 was secured on September 13, 2018.
 The current START project budget is: \$300,000.00.
 As of June 20, 2019, START costs to date were \$271,832.37.

A Task Order (TO) for \$1,500,000.00 was issued to Environmental Restoration, LLC (ER LLC.), on May 22, 2018.
 A TO Modification for \$1,100,000.00 was issued to ER, LLC. on August 27, 2018.
 A TO Modification for \$110,000 was issued on February 28, 2019.
 A TO Modification for \$110,000 was issued on May 8th 2019.
 As of June 20, 2019, ER, LLC cost to date are \$2,782,715.68.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$2,820,000.00	\$2,782,751.68	\$37,248.32	1.32%
TAT/START	\$300,000.00	\$271,832.37	\$28,167.63	9.39%
Intramural Costs				
Total Site Costs	\$3,120,000.00	\$3,054,584.05	\$65,415.95	2.10%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

2.5.1 Safety Officer

All field work was conducted under an approved Health and Safety Plan (HASP).

2.5.2 Liaison Officer

NA

2.5.3 Information Officer

NA

3. Participating Entities

3.1 Unified Command

NA

3.2 Cooperating Agencies

Illinois EPA

4. Personnel On Site

None. All site work is completed.

5. Definition of Terms

AMP	Air Monitoring Plan
BTEX	Benzene, toluene, ethyl benzene, xylenes
ECP	Emergency Contingency Plan
EPA	Environmental Protection Agency
ER, LLC	Environmental Restoration, LLC
ERRS	Emergency and Rapid Response Services
FPN	Federal Project Number
HASP	Health and Safety Plan
Haz-Cat	Hazardous Categorization
IEPA	Illinois Environmental Protection Agency
NA	Not Applicable
NESHAPS	National Emission Standards for Hazardous Air Pollution (asbestos)
NPDES	National Pollution Discharge Elimination System
OSC	On-Scene Coordinator
PCBs	Polychlorinated Biphenyls
POLREP	Pollution Report
PRP	Potentially Responsible Party
RP	Respondent
RAWP	Removal Action Work Plan
SAP	Sampling and Analysis Plan
SITREP	Situation Report
START	Superfund Technical Assessment and Response Team (Tetra Tech)
TDD	Technical Directive Document
TO	Task Order
UST	Underground Storage Tank
USEPA	United States Environmental Protection Agency

6. Additional sources of information

6.1 Internet location of additional information/report

NA

6.2 Reporting Schedule

NA

7. Situational Reference Materials

No information available at this time.





